Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/14/2018 10:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126057	0	1.46	125939	1.44
Blue	F	SSC	125000	123514	-2	3.09	123760	2.91
Blue	E	FITC	23615	22712	-4	2.58	1013	10.63
Blue	D	PE	26739	26210	-2	2.09	943	10.57
Blue	B	PerCP-Cy5-5	48339	47239	-3	3.55	1357	17.80
Blue	A	PE-Cy7	45021	44916	-1	5.25	685	36.70
Red	C	APC	53064	52303	-2	2.77	2993	9.67
Red	A	APC-Cy7	57175	55971	-3	2.75	1161	11.58
Violet	B	V450	14728	14143	-4	5.68	678	10.41
Violet	A	V500	58621	57263	-3	5.54	2529	7.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19917	2.29	615	1	N/A	N/A	Pass
Blue	F	SSC	61121	1.55	558	12	N/A	N/A	Pass
Blue	E	FITC	114	40.12	551	3	0.0193	166	Pass
Blue	D	PE	206	30.04	542	6	0.1289	181	Pass
Blue	B	PerCP-Cy5-5	210	48.47	641	6	0.0091	124	Pass
Blue	A	PE-Cy7	72	131.79	700	7	0.0114	27	Pass
Red	C	APC	340	28.84	601	4	0.0194	70	Pass
Red	A	APC-Cy7	127	40.43	583	3	0.0050	1250	Pass
Violet	B	V450	81	46.55	470	0	0.0395	2061	Pass
Violet	A	V500	184	26.75	497	0	0.0131	1090	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/14/2018 10:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.87	-31.16	0.95
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	16.87	14.40 - 21.60	N/A	N/A	30.93	31.43	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 12778

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments